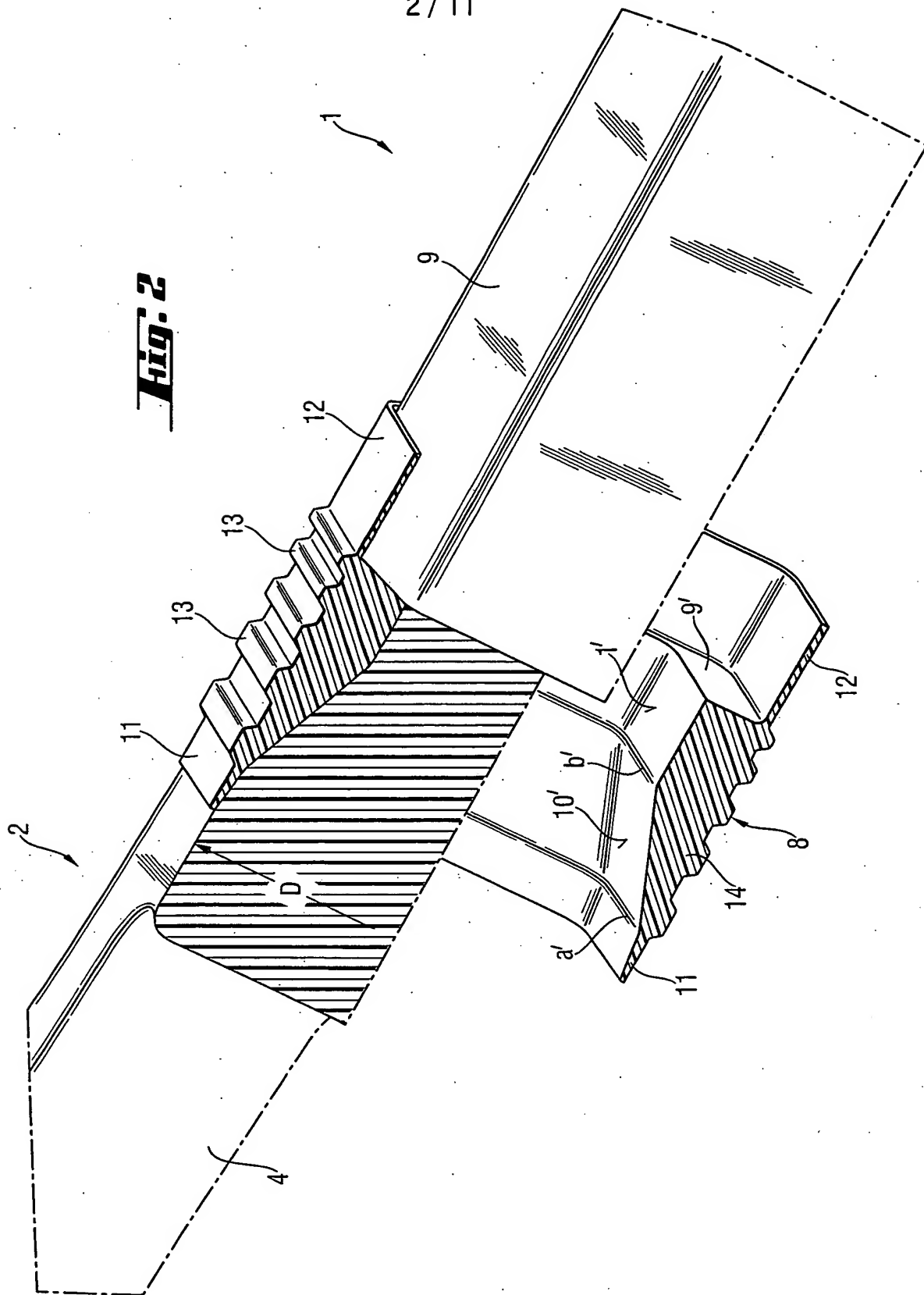
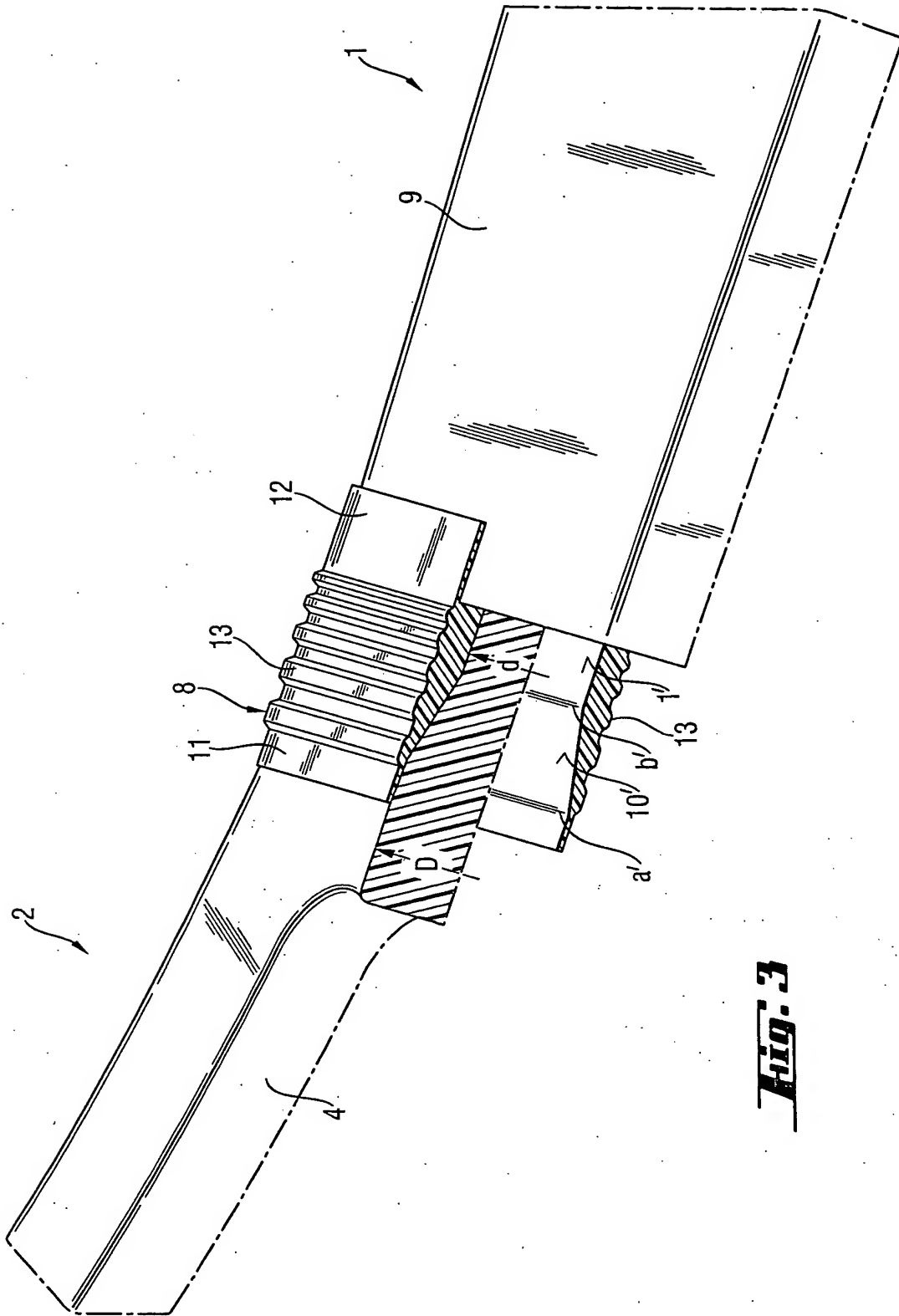


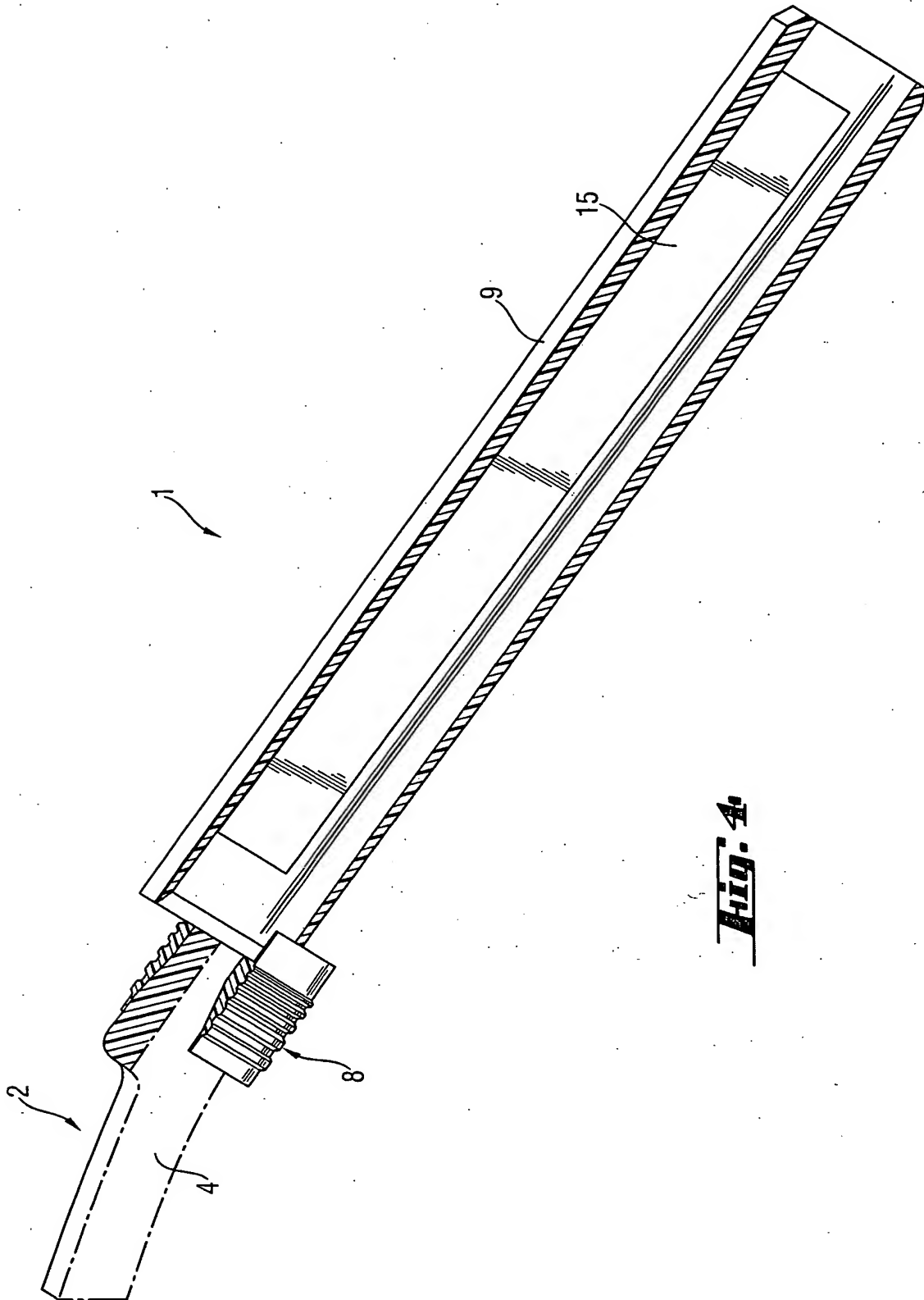
# Fig. 2



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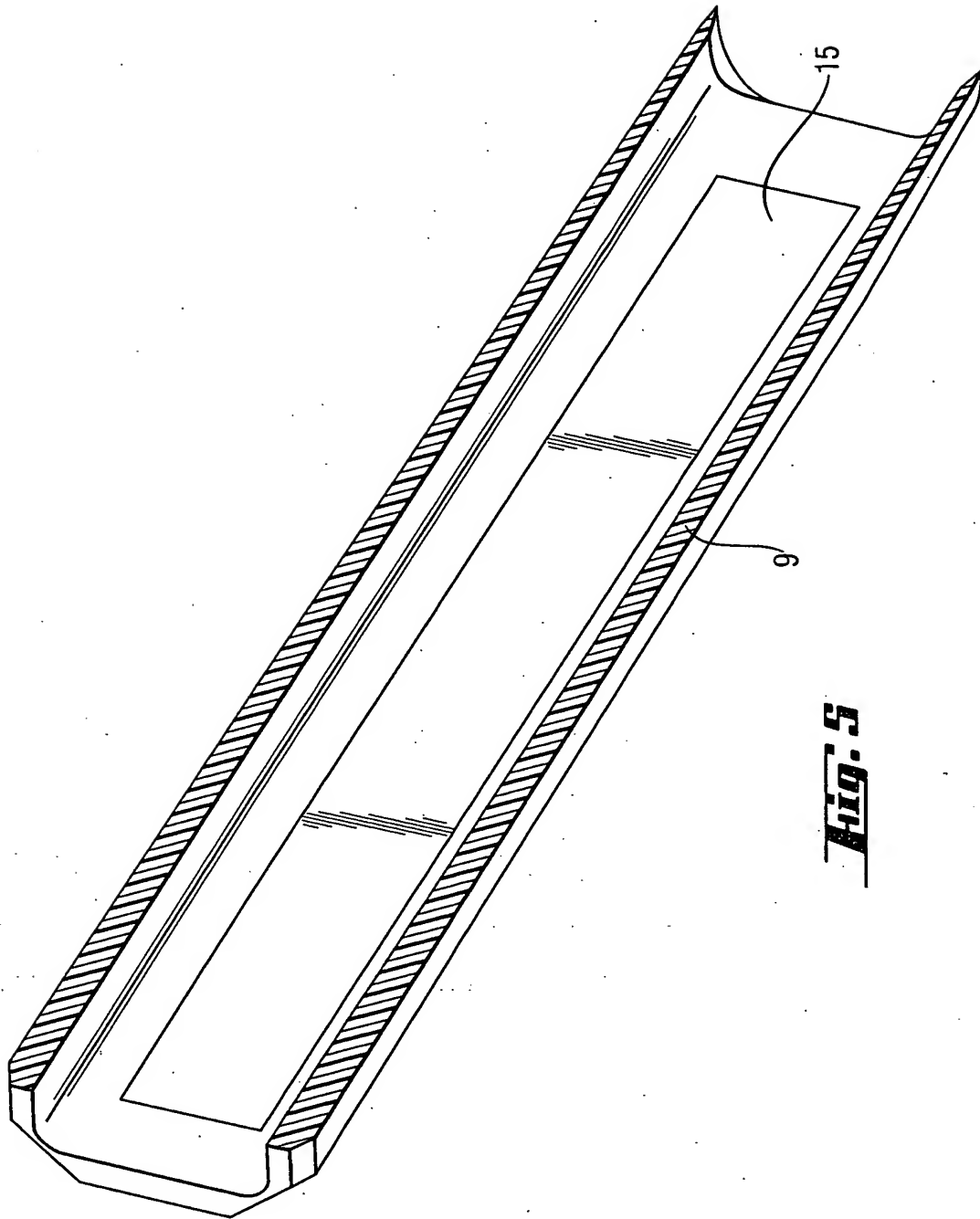


**Fig. 3**



**Fig. 4**

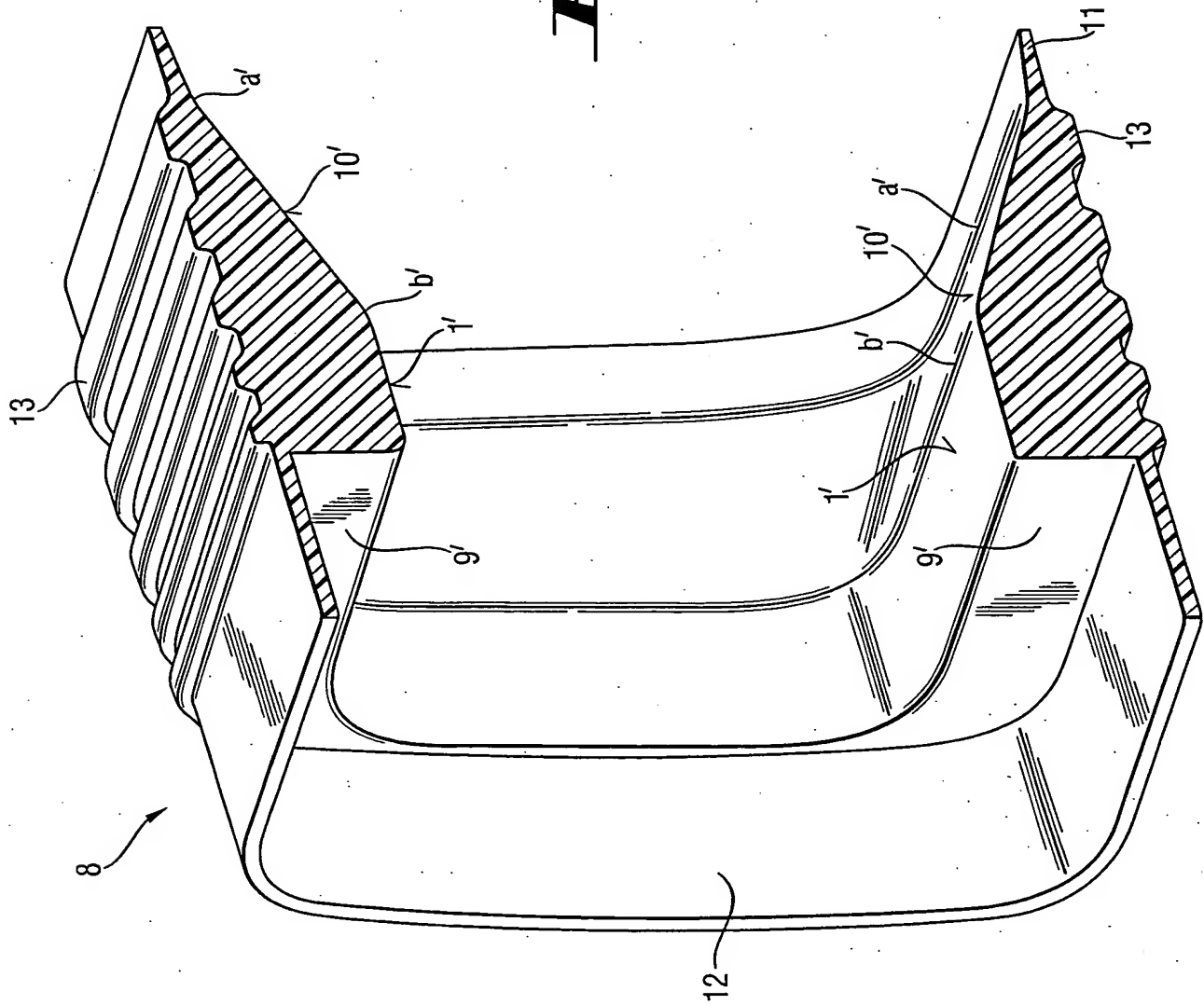
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**Fig. 5**

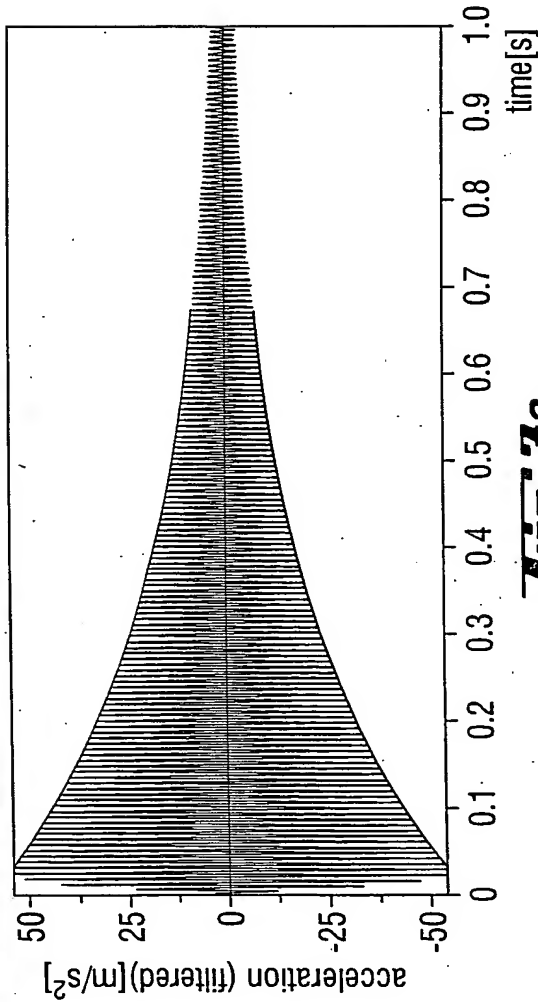
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**Fig. 6**



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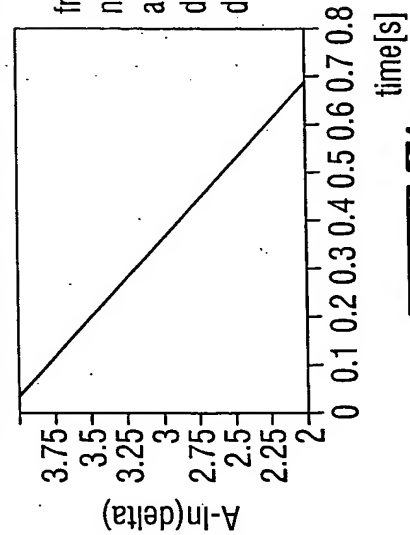
**Fig. 1**



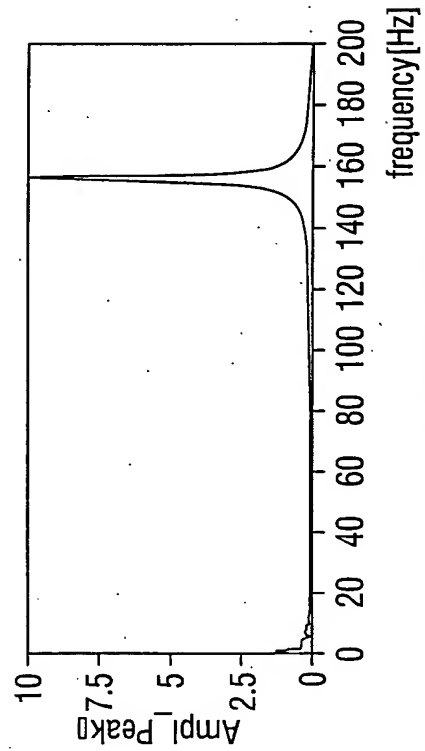
Handle with damping

**Fig. 1a**

damping ratio, calculated on the basis of a filtered signal



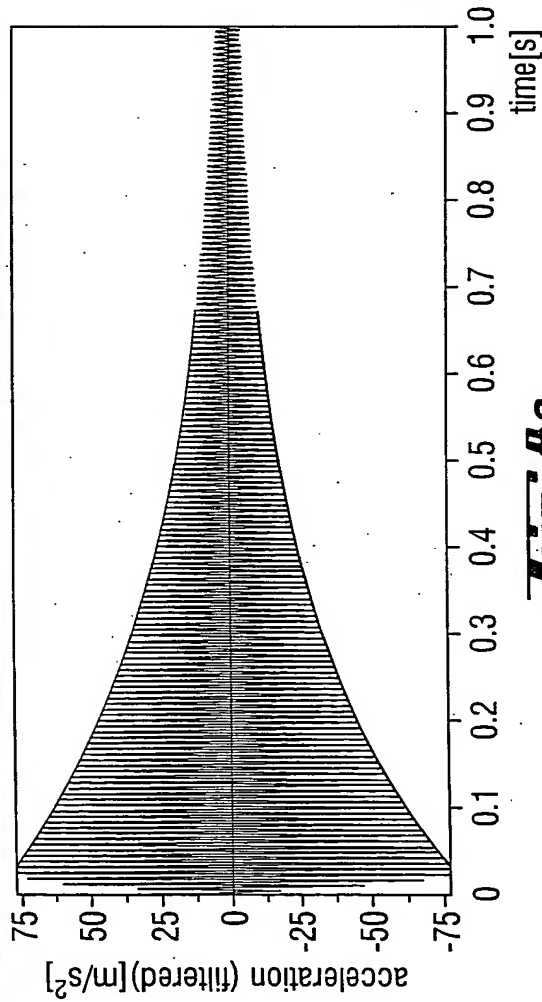
**Fig. 1b**



**Fig. 1c**

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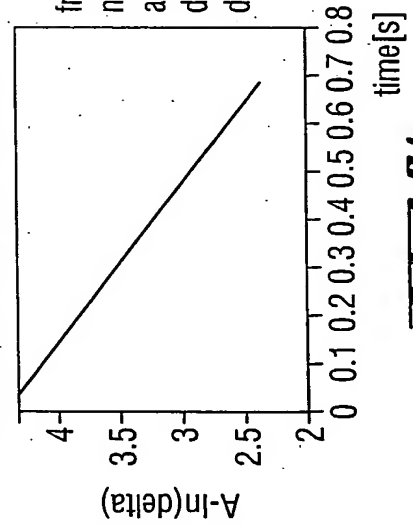
**Fig. A**



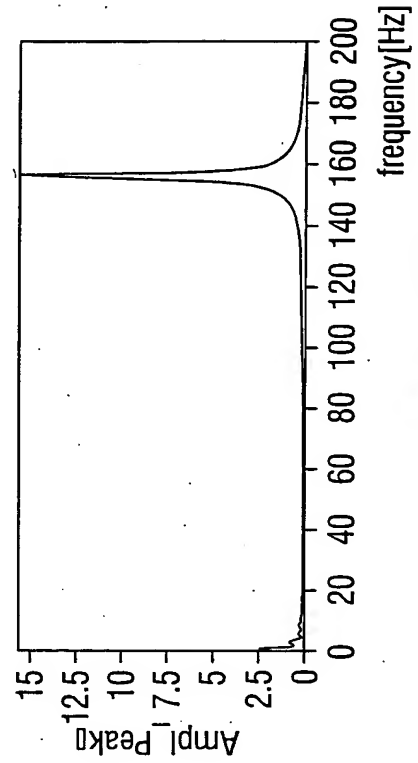
Handle without dampening

**Fig. Ba**

dampening ratio, calculated on the basis of a filtered signal



**Fig. Bb**

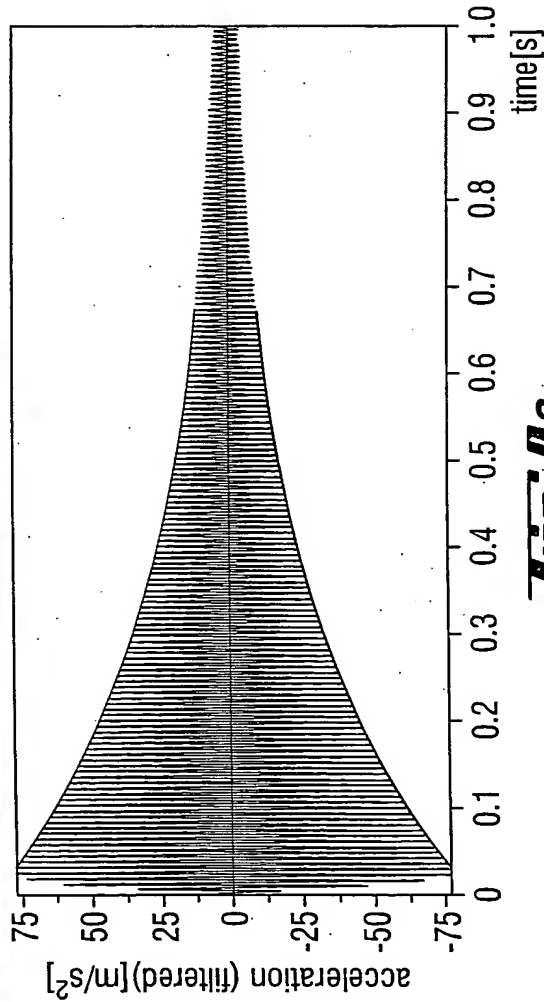


**Fig. Bc**



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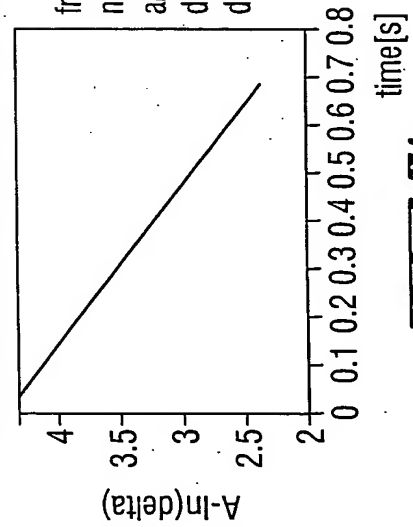
**Fig. 9**



**Fork with dampening**

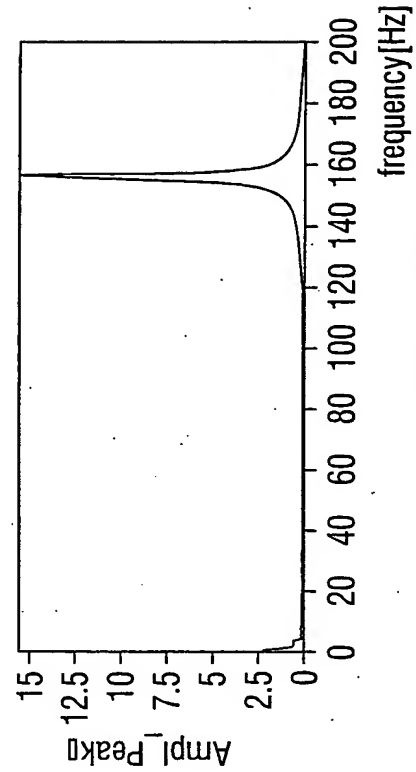
**Fig. 9a**

dampening ratio, calculated on the basis of a filtered signal



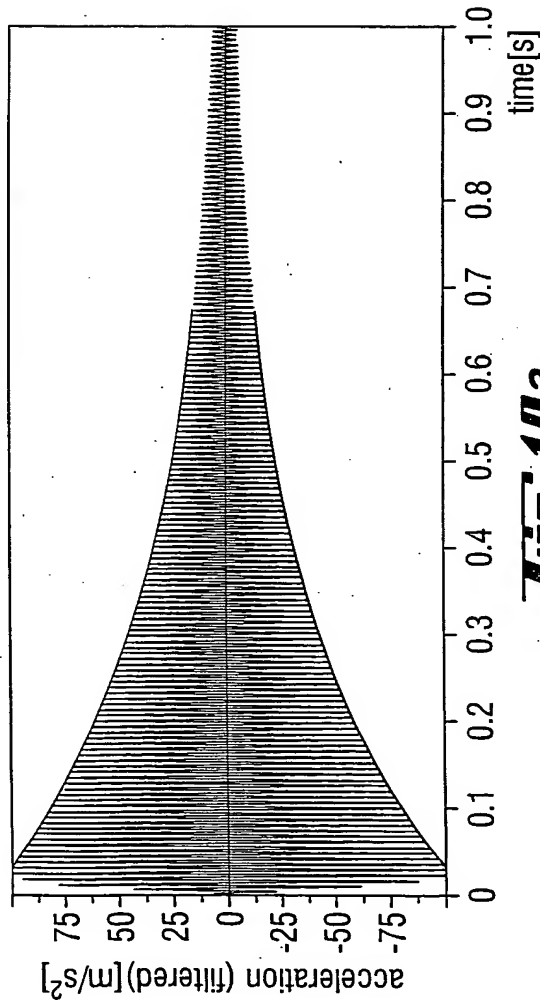
free vibration  
natural frequency 156.9 Hz  
amplitude 15.60  
delta=3.05  
dampening ratio=0.0031

**Fig. 9b**

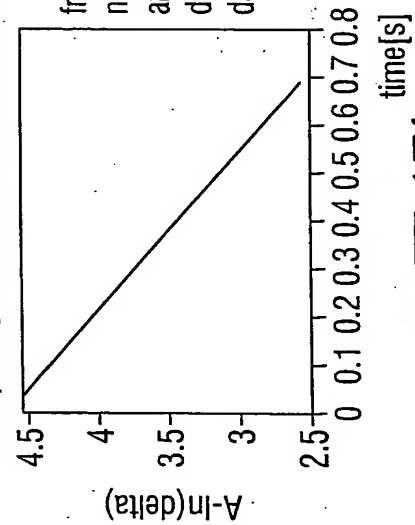


**Fig. 9c**

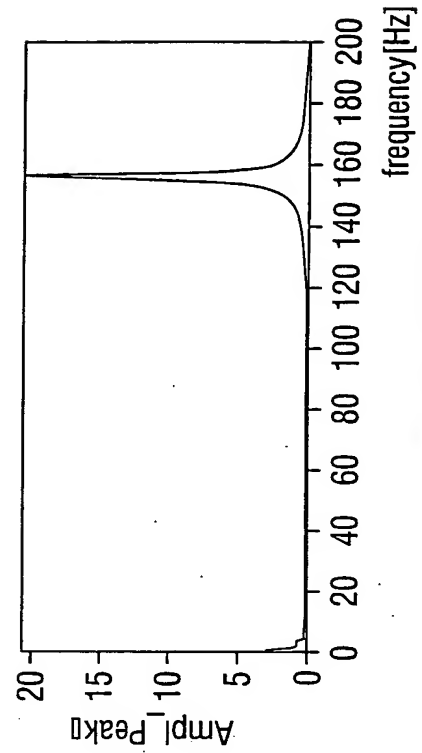
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**Fig. 10**Fork without dampening**Fig. 10a**

dampening ratio, calculated on the basis of a filtered signal



free vibration  
 natural frequency 155.6 Hz  
 amplitude 20.62  
 delta=3.03  
 dampening ratio=0.0031

**Fig. 10b****Fig. 10c**

**Fig. 11**